ABSTRACT

A magnetic tape having a lower non-magnetic layer containing non-magnetic powder and a binder, and an upper magnetic layer containing ferromagnetic powder and a binder, formed on a surface of a tape-form non-magnetic support. This magnetic tape has an intermediate binder layer, which is under the upper magnetic layer and has an average dry thickness of 10 to less than 50 nm. The average dry thickness of the upper magnetic layer is 5 to 100 nm, and the squareness ratio of the upper magnetic layer in the lengthwise direction is 0.8 or more. In this magnetic tape, the thickness of the magnetic layer and the fluctuation at the interface between the magnetic layer and the intermediate binder layer under the magnetic layer can be controlled. As a result, the PW50 value of a solitary waveform and modulation noise can be reduced. Thus, the magnetic tape shows excellent C/N characteristics.